

Converting Colors

$Y_{xy}(44.2478, 0.2226, 0.2717)$

Have a look what the booklet for
Yxy(44.2478, 0.2226, 0.2717)
contains.

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Color

Yxy(44.3903, 0.2229, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	52BEE7
RGB	82, 190, 231
RGB Percent	32%, 75%, 91%
CMY	0.6779, 0.2549, 0.0942
CMYK	0.64, 0.18, 0.00, 0.09
HSL	197°, 76%, 61%
HSV	197°, 64%, 91%
XYZ	36.3238, 44.3903, 82.2459
YIQ	162.3820, -77.5290, -10.1450

Conversions

Conversions Part 2

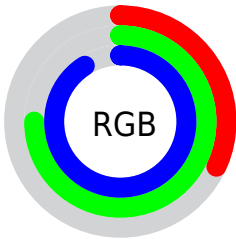
Format	Color
R _Y B	82, 145, 231
Decimal	5422823
CIE Lab	72.49, -18.57, -29.58
CIE LCh	72, 34.925, 237.875
Yxy	44.3903, 0.2229, 0.2724
Android (android.graphics.Color)	4283612903 (0xFF52BEE7)
YUV	162.3820, 33.8287, -70.4950
Hunter-Lab	66.6260, -19.2794, -26.5518

Details

The Yxy color **44.3903, 0.2229, 0.2724** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **31.7974, 0.4873, 0.3726**, and the grayscale version is **36.2018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1513, 0.2523, 0.3186**, and **20.9865, 0.2050, 0.2578** is the 20% darker color. If you saturate the color by 10%, you get **40.8269, 0.2136, 0.2620**, and if you desaturate by 10%, it is **48.4257, 0.2340, 0.2826**.

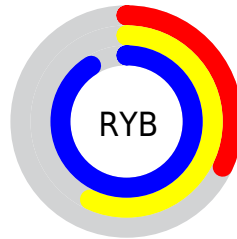
Distribution



Red (32%)

Green (75%)

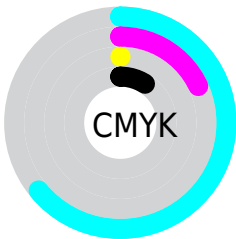
Blue (91%)



Red (32%)

Yellow (57%)

Blue (91%)

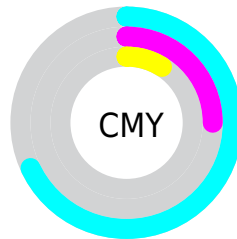


Cyan (64%)

Magenta (18%)

Yellow (0%)

Black (9%)



Cyan (68%)

Magenta (25%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3903, 0.2229, 0.2724 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 44.3903, 0.2229, 0.2724 by changing the saturation by 10% instead.

■ 44.3903, 0.2229,
0.2724

■ 44.3903, 0.2229,
0.2724

■ 364.2986, 0.2663,
0.3015

■ 30.9775, 0.2127,
0.2651

■ 81.8047, 0.2382,
0.2830

■ 20.5817, 0.2000,
0.2557

■ 106.5751, 0.2441,
0.2870

■ 12.8186, 0.1838,
0.2433

■ 135.9001, 0.2492,
0.2904

■ 7.3037, 0.1626,
0.2262

■ 170.1642, 0.2535,
0.2932

■ 3.6528, 0.1343,
0.2018

■ 209.7517, 0.2573,
0.2957

■ 1.4813, 0.0959,
0.1650

■ 255.0470, 0.2607,

■ 0.2755, 0.0000,

0.2979

0.0802

306.4345, 0.2636,
0.2998

0.0000, 0.0000,
0.0000

44.3903, 0.2229,
0.2724

44.3903, 0.2229,
0.2724

40.8269, 0.2136,
0.2620

48.4257, 0.2340,
0.2826

37.6928, 0.2064,
0.2515

52.9614, 0.2466,
0.2925

34.9433, 0.2011,
0.2412

58.0284, 0.2605,
0.3018

33.5417, 0.1988,
0.2355

63.6535, 0.2752,
0.3106

69.8614, 0.2904,
0.3186

■ 76.6751, 0.3059,
0.3260

■ 84.1162, 0.3212,
0.3326

■ 89.8726, 0.3282,
0.3387

■ 93.7028, 0.3276,
0.3449

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.3903, 0.2295, 0.3110



44.3903, 0.2229, 0.2724



44.3903, 0.2375, 0.2525

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.3903, 0.2229, 0.2724



44.3903, 0.3686, 0.2983



44.3903, 0.3493, 0.4191

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.3903, 0.2229, 0.2724



31.7974, 0.4873, 0.3726

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.3903, 0.3904, 0.4066



44.3903, 0.2229, 0.2724



44.3903, 0.4034, 0.3360

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.3903, 0.2229, 0.2724



44.3903, 0.3192, 0.2684



44.3903, 0.4111, 0.3750



44.3903, 0.3004, 0.4026

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.3903, 0.2229, 0.2724



44.3903, 0.2582, 0.2500



44.3903, 0.4111, 0.3750



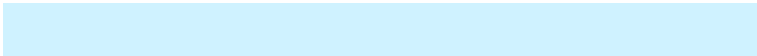
44.3903, 0.3646, 0.4178

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.3919, 0.2229, 0.2724



83.7202, 0.2833, 0.3149



60.3464, 0.2867, 0.4865



17.4464, 0.2789, 0.3126



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.3919, 0.2229, 0.2724



49.8754, 0.2113, 0.2589



20.2607, 0.1976, 0.1651



15.6299, 0.2981, 0.3224



19.0239, 0.1992, 0.2372



1.5593, 0.2034, 0.2522

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.7595, 0.3665, 0.2166



28.5654, 0.3814, 0.2043



57.1940, 0.4252, 0.4480



14.5439, 0.3180, 0.3121



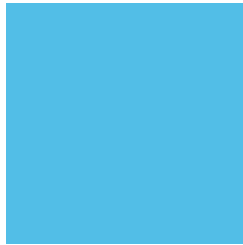
11.1182, 0.4052, 0.2006



0.8371, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 44.3903, 0.2229, 0.2724 looks on a white background.

Color Contrast Check

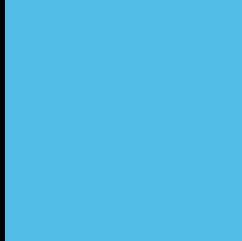
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 44.3903, 0.2229, 0.2724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

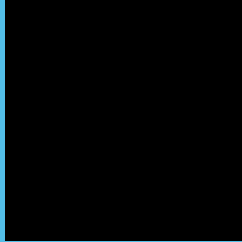
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3903, 0.2229, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 44.3903, 0.2229, 0.2724.



This preview shows how white text looks on a background with the Yxy color 44.3903, 0.2229, 0.2724.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.3903, 0.2229, 0.2724

Protanopia

43.9342, 0.2718, 0.2716

Deuteranopia

43.9516, 0.2593, 0.2530



Tritanopia

44.5266, 0.2302, 0.3069

Trichromacy



Original Color

44.3903, 0.2229, 0.2724

Protanomaly

43.2586, 0.2496, 0.2704

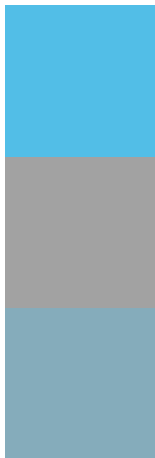
Deuteranomaly

43.5696, 0.2424, 0.2586

Tritanomaly

44.6455, 0.2276, 0.2945

Monochromacy



Original Color

44.3903, 0.2229, 0.2724

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.0794, 0.2691, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3903, 0.2229, 0.2724 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(82, 190, 231)` looks like.

```
.text, #text, p{  
    color:rgb(82, 190, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(82, 190, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 190, 231) }
```

Border

The CSS property to change the border of an element to Yxy 44.3903, 0.2229, 0.2724 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(82, 190, 231) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(82, 190, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(82, 190, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 190, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 190, 231);  
box-shadow:4px 4px 4px 4px rgb(82, 190,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3903, 0.2229, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 190, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(82, 190,  
231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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